

ABSTRACT OF THE DISCLOSURE

The invention discloses the *Chlamydia* PMPE and PMPI polypeptide, polypeptides derived thereof (PMP-derived polypeptides), nucleotide sequences encoding
5 said polypeptides, antibodies that specifically bind the PMP polypeptides and PMP-derived polypeptides and T-cells specific for PMP polypeptides and PMP-derived polypeptides. Also disclosed are prophylactic and therapeutic compositions, including immunogenic compositions, *e.g.*, vaccines, comprising PMP polypeptides or PMP-derived polypeptides or antibodies thereto. The invention additionally discloses methods of inducing in animals an
10 immune response to *Chlamydia* cells, *Chlamydia* elementary bodies, and/or cells expressing *Chlamydial* proteins, *e.g.*, cell infected with *Chlamydia*.

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